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ROYAL COLLEGE

—♦OF♦—

Physicians and Surgeons

—♦IN AFFILIATION WITH♦—

QUEEN'S UNIVERSITY,

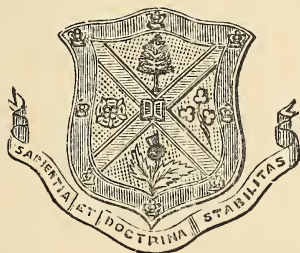
KINGSTON, CANADA,

—♦AND♦—

UNIVERSITY OF TRINITY COLLEGE,

TORONTO.

—♦CALENDAR♦—



—♦SESSION 1888-9♦—

—♦♦♦♦♦

KINGSTON:

PRINTED AT THE BRITISH WHIG OFFICE.

1888.

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS.

In Affiliation with Queen's University and
University of Trinity College, Toronto.

THIRTY-FIFTH SESSION, 1888-89.

FIFE FOWLER, M.D., L.R.C.S., EDIN.,

*Professor of the Theory and Practice of Medicine, and PRESIDENT of
the Faculty.*

MICHAEL LAVELL, M.D.,

Emeritus Professor.

HON. MICHAEL SULLIVAN, M.D.,

(Surgeon to the Hotel Dieu),

Professor of Principles and Practice of Surgery.

ALFRED S. OLIVER, M.D.,

(Surgeon to the Kingston Hospital),

Professor of Materia Medica, Therapeutics and Pharmacy.

THOMAS R. DUPUIS, M.D., F.R.C.P.S., and M.R.C.S., ENG.,

(Surgeon to the Kingston Hospital),

Professor of Clinical Surgery and Histology.

THE PROFESSORS OF CHEMISTRY AND BOTANY IN QUEEN'S UNIVERSITY,

Professors of Chemistry, Practical Chemistry and Botany.

KENNETH N. FENWICK, M.A., M.D., M.R.C.S., ENG.,

(Surgeon to the Kingston Hospital),

Professor of Obstetrics and Gynaecology.

CHAMBERLEN A. IRWIN, M.D.,

(Surgeon to the Kingston Hospital),

Professor of Clinical Medicine and Sanitary Science.

WM. H. HENDERSON, M.D., M.R.C.S., ENG.,

Professor of Physiology.

R. W. GARRETT, A.M., M.D.,

Professor of Anatomy.

H. J. SAUNDERS, M.D., M.R.C.S., ENG.,

Professor of Medical Jurisprudence.

D. E. MUNDELL, M.D.,

Demonstrator-in-Chief of Anatomy.

OMAR L. KILBORN AND A. GANDIER,

Associate Demonstrators of Anatomy.

ANNOUNCEMENT.

The Thirty-Fifth Session of this College will commence on Monday, October 3rd, 1888, on which day the Introductory Lecture will be given in the College Building at 3 P.M., by Dr. Sweetland, of Ottawa, Sheriff of Carleton.

Instruction in every branch is given by Lectures, Recitations and Clinical teaching, and is made as thorough and practical as possible.

THE "ROYAL COLLEGE OF PHYSICIANS AND SURGEONS, KINGSTON," being separately incorporated and possessing independent powers and privileges, confers upon its own students and others the Diplomas of "Licentiate" and "Fellow." Its affiliation with Queen's University and with the University of Trinity College, Toronto, enables its students to obtain also the Degrees of *Doctor of Medicine* and *Master of Surgery* from either of these Universities, by passing the requisite examination.

Certificates of attendance at this College are recognized by the Royal College of Surgeons of London and Edinburgh, so that those holding the License of the College as well as those possessing the Degree of M.D. from Queen's University, are entitled to all the privileges in Great Britain that are accorded to the students and graduates of other Colonial Colleges.

The Faculty announces with great pleasure that the Royal College occupies very commodious premises immediately adjacent to Queen's College and to the Hospital. The dissecting room is very large and well ventilated, and the class-rooms are commodious and comfortable.

The Faculty having now at their command all the apparatus and appliances necessary for imparting a sound medical education, are in a position to offer all the advantages to students which can be obtained elsewhere.

The abundant supply of dissecting material furnished by the Penitentiary, Jail, Hospital and other public institutions in the neighborhood affords unrivalled advantages for the study of Practical Anatomy, which is the true foundation of all medical knowledge.

The Kingston General Hospital and Hotel Dieu, both within a few minutes' walk of the College, are open to the students, and offer great facilities for the prosecution of Clinical studies. Students, if they desire, can also visit the Penitentiary Hospital with DR. STRANGE, and the Insane Asylum with DR. CLARKE, the Superintendent.

The General Hospital alone has accommodation for 150 beds, and contains an operating amphitheatre, so arranged as to afford to the students an opportunity of witnessing the operations; the other institutions referred to have a large number of patients constantly under treatment.

As proof of the superior quality of the instruction given in this School, the Faculty point with pride to the high positions taken by its students at the examinations of the Medical Council of Ontario, and of the Royal College of Surgeons of England, and to the professional success of its graduates everywhere.

Moreover, Kingston is a healthy and pleasant city to live in, *free from the attractive amusements* that interfere with study, and the inducements to vice found in larger cities; while the cheapness of living is such as to commend it to the notice of all intending students of medicine.

Good board in respectable houses may be obtained at prices ranging from \$2.50 to \$4 per week, and other necessities at proportionate figures.

CURRICULUM.

Candidates for the Degree of the University or the Diploma of the College must have completed a period of four years' study, and have passed the Matriculation Examination of Queen's College, which is as follows :

English Language, Grammar and Composition.
 Arithmetic, with Vulgar and Decimal Fractions.
 Algebra, including Simple Equations.
 Geometry, first two books of Euclid.
 Latin, Grammar and Translation (Cicero, in Catalinam; Virgil, *Æneid*, I; Cæsar, *Bellum Gallicum*, I, 1-33.
 Natural Philosophy, as in Stewart's *Physics*, or one book in Greek, French or German.

[Graduates and Matriculants in Arts from a recognized University, and those who have passed the Matriculation Examination of the Medical Council of Ontario, are not required to pass the above Matriculation Examination.]

This examination must have been passed before a student can be admitted to any of the professional examinations, although lectures may be attended before passing this Matriculation Examination.

In the case of Graduates in Arts, a period of *three years* only will be required to complete their Medical Curriculum.

Every candidate must have given regular attendance on Full Courses of Instruction in the following Departments for the periods stated, during at least three sessions :

I.	Principles and Practice of Surgery.....	} Two full Courses of six months each.
II.	Theory and Practice of Medicine.....	
III.	Obstetrics and Diseases of Women and Children.....	
IV.	Institutes of Medicine	
V.	Anatomy.....	
VI.	Chemistry.....	
VII.	Materia Medica, Therapeutics and Pharmacy.....	} 25 Lectures. Two full Courses of six months each. 25 Lectures. One Course of three months. Eighteen months.
VIII.	Practical Anatomy.....	
IX.	Histology.....	
X.	Clinical Surgery.....	
XI.	Clinical Medicine.....	
XII.	Medical Jurisprudence	
XIII.	Sanitary Science.....	}
XIV.	Practical Chemistry.....	
XV.	Botany	
XVI.	Hospital	

The above course of study may have been pursued either wholly at this College, or partly here and partly at some other

recognized Medical School. In the latter case, at least one full session must have been spent at this College.

Certificates of attendance on Lectures are received from incorporated Medical Schools in the British Dominions, and others recognized by the British Universities and licensing Colleges. Other certificates of attendance on Lectures may be admitted at the discretion of the Faculty.

All students must present evidence of their having compounded medicine for a period of six months, in the office of a regularly qualified Medical Practitioner, and of having attended at least six cases of Midwifery. Students must also present evidence of having attended six post mortem examinations. They must also present certificates showing a practical knowledge of the use of the microscope and their ability to prepare microscopic specimens.

Students attend the Lectures on Chemistry and Botany at the University, and can, if they wish, attend those on Zoology also, without additional charge.

EXAMINATIONS AND GRADUATION.

Every candidate intending to appear at the Final Examination must, on or before the 5th day of March in the year in which he proposes to graduate, furnish a declaration under his own hand that he is twenty-one years of age, or that he will be so before the day of graduation, accompanied by a certificate of good moral character, a statement of his medical studies, with proper certificates thereto, and a Thesis on some Medical or Surgical subject composed by himself and in his own handwriting.

There are three examinations—a Primary at the end of the second Session, an Intermediate at the end of the third Session, and a Final at the end of the fourth or last Session—and in each of these, candidates are examined orally and in writing. Graduates in Arts may pass the first and second examinations at the end of the second Session.

The Primary examination includes Botany, Institutes of Medicine, and Theoretical Chemistry.

The Intermediate examination includes Materia Medica, Anatomy, Practical Chemistry and Histology.

The Final Examination includes the Principles and Practice of Surgery, Theory and Practice of Medicine, Obstetrics, Sanitary Science, Medical Jurisprudence and Surgical Anatomy.

Students taking the Medical Council examinations are recommended to take the above Primary and Intermediate classes during the first two years of their course, and to take the examinations simultaneously with the Council examinations.

No candidate will be admitted to any of the foregoing examinations without having passed the Matriculation examination.

The Final Examination will not take place until the candidate has completed his fourth or last session.

REQUISITES FOR THE FELLOWSHIP.

Before being admitted to the professional examination for the Diploma of F.R.C.P.S., the candidate must produce evidence of being a graduate in arts (or undergo an examination equivalent thereto) and of having been engaged in the practice of the profession at least five years.

FEEES.

The Fees for the different classes, etc., are as follows :

Registration Fee, payable once only.....	\$ 5 00
Anatomy.....(per session).....	12 00
Institutes of Medicine.....“ “.....	12 00
Materia Medica.....“ “.....	12 00
Principles and Practice of Surgery.....“ “.....	12 00
Theory and Practice of Medicine.. “ “.....	12 00
Obstetrics and Diseases of Women. “ “.....	12 00
Chemistry.....“ “.....	12 00
Medical Jurisprudence.....“ “.....	6 00
Practical Anatomy.....“ “.....	8 00
Practical Chemistry.....“ “.....	6 00
Clinical Medicine (for two courses).....	12 00
Clinical Surgery “ “.....	12 00
Botany.....	6 00
Sanitary Science.....	4 00
Histology.....	8 00

Payment for two full courses in any class, and attendance in the same, entitles the student to a perpetual ticket for that class. Practical Anatomy, Theoretical and Practical Chemistry, Histology and Botany are exceptions, and for these payment is required every year during which they are taken.

The Kingston General Hospital may be attended by students during the whole period of study for one payment of \$10 at the commencement.

Diploma of Licentiate of the College.....	\$20 00
Degree of M.D. and C.M.....	30 00
Fellowship of College.....	50 00

All graduates in medicine of this College, in good standing, can obtain the Licentiate of the R.C.P.S. on paying to the Registrar the fee of \$20.

All fees are payable to the Treasurer of the College, and are expected to be paid in advance.

PRIZES.

1. At the examinations on Final Subjects a Gold and a Silver Medal are given every year.

2. At the Primary Examination, with Anatomy, special, one Demonstratorship of Anatomy—value, \$50.

3. At the Intermediate Examination,—

(a) Two House Surgeoncies of the Kingston General Hospital, six months each; these include board and lodging and the opportunities for study.

(b) One Demonstratorship of Anatomy—value, \$50.

4. At the end of the first session, a Silver Medal, the examination being on Anatomy, Physiology and Materia Medica. A special prize is also offered for the best dissected preparation, if of sufficient merit.

All students competing for the above prizes must be registered students proceeding to a degree in this college. All particulars relating to the different prizes will be announced by the Faculty at the beginning of the Session,

The Medals have been kindly presented by a graduate of the College, Dr. Murdoch Matheson, Queensland, Australia.

There are also several University prizes of considerable value open to all registered students.

STUDENTS' APPOINTMENTS.

Out-Door Dressers.

Dressers in Eye and Ear Department.

Surgical Dressers.

Clinical Clerks,—

Medical, Surgical, Gynæcological, etc.

Prosectors to chair of Anatomy (4), to each of whom a Diploma of Merit is awarded.

Assistants in Practical Histology.

“ “ Physiology.

“ “ Chemistry.

NOTICE.

The Examinations of this College will be held immediately before the Examinations of the Medical Council, which will commence in the City of Kingston in April, 1889.

In order that intending students may understand the relation of the Medical Council to the College, the Registrar desires to state that all who desire to practice medicine in Ontario must pass the Matriculation and other examinations of the Medical Council. The degree of M.D., however, qualifies for practice in the United States without the examinations of Medical Council being submitted to.

All applications with reference to Medical Studies to be made to the President of the College.

UNIVERSITY OF TRINITY COLLEGE, TORONTO.

DOCTOR OF MEDICINE AND MASTER OF SURGERY.

The Candidate for these Degrees must have matriculated in one of the following ways :

(a) By having passed the Matriculation Examination in Arts or Medicine of Trinity College, or of some other recognized University.

(b) By having passed the Matriculation Examination accepted by the College of Physicians and Surgeons of Ontario or Quebec, or that of the Law Society of Upper Canada.

(c) By having passed an Examination recognized as equivalent to any of the above.

The subjects of the Medical Matriculation Examination are :

- (1) Writing and Dictation.
- (2) English language, including Grammar and Composition.
- (3) Arithmetic.
- (4) Algebra, including Simple Equations.
- (5) Euclid, Bks. I. II.
- (6) Latin : Cæsar, *Bellum Gallicum*, Bks. I. II., or Bks. V. VI., or *Bellum Britannicum* ; or Cicero, *pro Lege Manilia* ; or Virgil, *Æneid*, Bk. II.
- (7) One of the following divisions, to be selected by the candidate—
 - (a) Scripture History ; and St. Matthew's Gospel, ch. i.-x. incl. in Greek.
 - (b) Greek, Xenophon's *Anabasis*, Bk. I.
 - (c) French, Voltaire's *Charles XII.*, Bks. VI. VIII.
 - (d) German, Schiller's *Thirty Years' War*, Bk. I.
 - (e) Natural Philosophy, including Mechanics, Hydrostatics, and Pneumatics. (Balfour Stewart's *Physics* is recommended.)

The Candidate for Degrees in Medicine or Surgery must be of the full age of twenty-one years.

He must produce certificates of having pursued his medical studies for a period of *four* years, and during that time, of having either attended *four winter sessions* or of having studied for *one* year with a medical practitioner, and attended *three winter sessions* in some Medical School recognized by the University. Graduates in Arts or Science shall be required to attend only *three winter sessions* at some recognized Medical School.

During the work of four years, as above mentioned, he must have attended in some recognized Medical School two courses of Lectures of six months each on

Descriptive Anatomy.
Practical Anatomy.
General Chemistry.
Materia Medica and Therapeutics.
Physiology, including Histology.

and one course of three months on each of the following subjects :

Botany.
Practical Chemistry, including Toxicology.

The above Lectures must have been attended before the Candidate can be admitted to the Primary Examination in Medicine.

He must further have attended two courses of Lectures of six months each in some recognized Medical School on

Theory and Practice of Medicine, including Pathology.
Principles and Practice of Surgery.
Midwifery and Diseases of Women and Children.

and two courses of three months each on

Medical Jurisprudence.

and one course of three months on

Sanitary Science.

He must have attended for at least *eighteen* months the practice of some General Hospital and, during two Sessions, Clinical Lectures on Medicine and Surgery.

He must have attended for at least six months the practice of a Lying-in-Hospital, or give satisfactory evidence of having otherwise enjoyed equivalent advantages of gaining obstetrical knowledge, with a certificate of attendance upon at least six cases of labour.

He must have passed two University Examinations, called the Primary and the Final Examinations in Medicine.

Before admission to the Primary Examination he must produce a certificate that he has passed the First Year Examination in some recognized Medical School.

PRIMARY EXAMINATION IN MEDICINE.

This Examination may be passed at the end of the second year. The subjects are : Anatomy, Physiology including Histology, Chemical Physics and General Chemistry, Practical Chemistry, Botany, Materia Medica and Therapeutics and Toxicology.

The Primary Examinations of other recognized Universities, and that of the College of Physicians and Surgeons for Ontario, Quebec or Manitoba, will be accepted in lieu of the University Primary Exami-

nation, provided that the candidate shall in all cases pay the full fee for the degree, but if any of the subjects of the Primary Examination do not form part of the Examination allowed, the candidate shall be required to take such subjects together with his Final Examination.

FINAL EXAMINATION IN MEDICINE.

This Examination shall take place at the end of the fourth year. The subjects are : Theory and Practice of Medicine including Medical Pathology, Principles and Practice of Surgery, Clinical Medicine, Clinical Surgery, Midwifery and Diseases of Women and Children, Medical Jurisprudence, Sanitary Science.

In order that a candidate may pass in either of these examinations he must obtain 33 per cent. of the marks assigned to each paper and 50 per cent. of the total marks of the Examination. Candidates who satisfy the examiners will be arranged in three classes in order of merit, the standard for the 1st and 2nd class respectively being 70 and 60 per cent. of the total marks of the Examination.

A Gold and a Silver Medal are annually awarded to the candidates who are first and second respectively in the examination for the degree of M.D., C.M., provided that candidates take the Primary and the Final Examinations together, and obtain at least seventy-five per cent. of the total marks.

Candidates in the first class of the Final or the Primary Examination in Medicine are awarded Certificates of Honor, provided they obtain at least seventy-five per cent. of the marks of the Examination.

The Primary and Final Examinations may be taken together at the end of the fourth year.

Examinations for candidates from the Royal College of Physicians and Surgeons, of Kingston, will be held in Kingston simultaneously with those held in Toronto, but candidates for the medals will be required to take the examinations in Toronto. Candidates examined in Kingston may be admitted to the degree of M.D., C.M., *in absentia*.

COURSE OF INSTRUCTION.

1. THEORY AND PRACTICE OF MEDICINE—(PROF. FOWLER)—3 to 4 p.m.

These Lectures are illustrated by plates, morbid specimens and models of diseased parts.

2. PRINCIPLES AND PRACTICE OF SURGERY—(PROF. SULLIVAN)—4 to 5 p.m.

These Lectures, besides the principles and practice, will include a full course of Surgical Anatomy and Surgical Pathology, illustrated by plates, models and specimens, explaining the most recent theories. The use of instruments and surgical apparatus and appliances is taught. Not only are the chief operations performed on the cadaver, but advantage is taken to give a concise and practical course in special surgery, introducing the latest and most approved operations and mode of treatment, with the use of such instruments as Laryngoscope, Ophthalmoscope, etc., employed in special surgery.

3. OBSTETRICS AND DISEASES OF WOMEN —(PROF. K. N. FENWICK)—2 to 3 p.m.

These Lectures are illustrated by drawings, models, prepared specimens, by use of the artificial pelvis, etc.

Ample opportunities will be afforded to the students for studying this important branch practically, as they will be arranged in classes to attend the Obstetric practice of the Hospital.

4. MATERIA MEDICA, THERAPEUTICS AND PHARMACY—(PROF. OLIVER)—10 to 11 a.m.

This course will be illustrated by plates, and specimens of the various drugs, chemicals, etc.

5. ANATOMY—(PROF. GARRETT)—11 to 12 a.m.

Five Lectures a week on this subject are given in the Anatomy class-room, and are fully illustrated by recent dissections on the cadaver, and also by plates, drawings and preparations.

Four of the best dissectors among the third year students are chosen each session as *prosectors*, and these, under the direction of the Professor, make careful dissections of the parts to be brought before the class, and thus students not only hear a description of the tissues of the body, but see them properly dissected and lying in their natural relations to each other.

6. INSTITUTES OF MEDICINE—(PROF. HENDERSON)—
5 to 6 p.m.

(a) PHYSIOLOGY—

This includes a full course of didactic lectures on Physiology, and also practical demonstrations, experiments and vivisections.

The students are instructed in the use of various physiological appliances, such as the sphygmograph, spirometer, manometer, etc.

The minute anatomy of the various tissues and organs will be illustrated by models, diagrams, and magnified images thrown on a screen by means of the sciopticon.

(b) PATHOLOGY—

Diseased conditions of different organs are referred to at the conclusion of each lecture, and illustrated by specimens from the Museum and microscopic sections.

7. CHEMISTRY—(PROF. GOODWIN)—9 to 10 a.m.

This course is taken in the classes of Queen's University, and comprises Chemical Physics, Chemical Philosophy, Inorganic and Organic Chemistry.

The Professor possesses abundant apparatus for experimental illustrations, being completely furnished with all the modern inventions for chemical investigation. All the lectures are fully illustrated by actual experiments.

8. MEDICAL JURISPRUDENCE—(PROF. SAUNDERS)—
5 to 6 p.m., Tuesday and Thursday.

These Lectures include Medical Toxicology, *post mortem* appearances, insanity, etc. They are illustrated by plates and specimens when necessary.

9. PRACTICAL ANATOMY—DR. MUNDELL.

The Dissecting Room will be open from 8 a.m. to 6 p.m. for the use of the students; and instructions will be given every day in dissecting, and in the details of Practical Anatomy. Students are furnished with material for dissection, of which there is always an abundant supply in the institution.

10. PRACTICAL CHEMISTRY—(PROF. GOODWIN).

Thorough instruction is given in the splendid new Laboratory of the University, under the personal supervision of the Professor. The course is entirely Laboratory work, and includes blow pipe manipulations, the use of apparatus, qualitative and quantitative analysis, toxicological investigations, etc.

11. CLINICAL MEDICINE—(DR. IRWIN)—11 a.m., Monday and Friday during the whole Session.

1. Clinical study of Diseases, with reports of cases.
2. The instruments employed in the diagnosis of disease.
3. Physical diagnosis of diseases of the heart and lungs.
4. Physical diagnosis of diseases of the abdomen.
5. The chemical and microscopical examination of the blood, expectoration, vomited matters and urine.

12. CLINICAL SURGERY—(DR. DUPUIS)—11 to 12 on Wednesdays and 3 to 4 on Saturdays during the whole Session.

These Lectures are in illustration of the various surgical cases in the wards of the General Hospital. They are given at the bedside or in the Theatre of the Hospital, and, when requiring it, are elucidated by plates, surgical apparatus, morbid specimens, models, etc. All operations are performed in presence of the class.

Special instruction will be given in the application of splints, bandages and antiseptic appliances.

13. HISTOLOGY—(DR. DUPUIS)—Mondays and Fridays during the whole Session.

(a) In this class plain and definite directions will be given for the preparation, staining and microscopical examination of the various tissues of the body, microscopes, micrometer and camera lucida being provided by the college.

(b) The various methods of section-cutting will be fully explained, and the use of the microtome, warming stage and other histological apparatus will be amply demonstrated.

(c) In order to facilitate the studies of the student as much as possible, a series of outline plates will be given to each student, in which are indicated the main features of the microscope sections shown during the session. The microscopes, specimens and periodicals will be kept in a room specially fitted up for the convenience of students desirous of taking advantage of these appliances and consulting books of reference, etc.

14. SANITARY SCIENCE—(DR. IRWIN)—5 to 6, Friday.

15. BOTANY—(PROF. FOWLER, of Queen's).

This course is taken in the classes of Queen's University.

The Lectures will be given every day during the first part of the session, and will be illustrated by drawings, microscopic sections, dried specimens, and living plants as far as practicable.

16. CURATOR OF MUSEUM—(PROF. HENDERSON).

BOOKS RECOMMENDED TO STUDENTS.

ANATOMY — Gray, \$6.50 ; Heath, \$4.50 ; Wilson, \$4 ; Quain, \$10.80.

INSTITUTES OF MEDICINE—Kirke's Physiology, \$4.50 ; Delafield's Pathology ; Green, \$2.50.

MATERIA MEDICA—Bartholow's Materia Medica ; Farquharson's Therapeutics and U. S. Dispensary.

PRINCIPLES AND PRACTICE OF SURGERY—Walsham and Bryant and Erischen ; for reference, any of the larger works.

THEORY AND PRACTICE OF MEDICINE—Roberts, \$5.

OBSTETRICS—Playfair's Midwifery, \$4 ; Galabin's Diseases of Women ; Tanner's Diseases of Children.

CHEMISTRY—Goodwin's Elements of Chemistry.

BOTANY—Gray's Structural and Systematic Botany, vols. 1 and 2.

MEDICAL JURISPRUDENCE—Husband, Reese or Taylor's Medical Jurisprudence.

SANITARY SCIENCE—Wilson Parke's, \$6.

HISTOLOGY—Klein, \$1.50.

PRACTICAL ANATOMY—Heath, \$5.

MUSEUM.

The Museum contains numerous and valuable Histological and Pathological Specimens, collected both from Hospital and private practice. A large number of models of plaster of Paris, wax and papier-mache, illustrating Ulcers, Tumors, Aneurisms, etc., belong to the Pathological Department, while Anatomy is well illustrated by models of dissections of various parts of the body, especially the Brain, Heart and Lungs.

Specimens of Gall-Stones, Abscess of Liver from Acute Hepatitis, Petrification of the Gall-Bladder, Diseased Lungs Affections of the Urinary Organs, Congenital Malformation of the Brain, Rectum and other organs ; Abscesses of Kidneys,

Ulceration of Intestines and other soft parts, and of bones ;
Diseases of Joints, Nodes, Calculi, etc.

LIBRARY.

The Library of the Royal College, to which students have access, is now well furnished with the Standard Text-Book and works of reference, and will always contain the leading Medical and Surgical publications and periodicals.

SUMMER SESSION.

The Summer Session will commence on the first Monday in May.

The importance and advantages of a Summer Session are now so fully recognized that the Faculty has decided to hold out further inducement to students attending that course of lectures. In addition to the classes of Practical Chemistry and Botany, full courses of lectures will be given in Jurisprudence, Sanitary Science and Histology, and pass examinations in these branches will be held at the close of the Summer Session. Clinical instructions of a practical character will be given at the Hospital, special attention being directed to bandaging, antiseptic dressings, the use of the Stethoscope, Laryngoscope, etc. Senior students will have also the opportunity of attending Obstetrical cases and of acting as Clinical Clerks.

AMBULANCE LECTURES — By W. H. HENDERSON,
M.R.C.S.E., Surgeon P.W.O. Rifles.

During the summer session lectures on first aid to the wounded will be delivered in the Amphitheatre of the Hospital every Thursday at 3 p.m.

MEDICAL COUNCIL REGULATIONS.

On and after July 1st, 1887, every one desirous of being registered as a Matriculated Medical Student in the Register of this College, except as hereinafter provided, must present to the Registrar, Dr. Pyne, Toronto, an official certificate of having passed the 2nd Class Teachers' Examination, with Latin option, whereupon he shall be entitled to be so registered, upon the payment of twenty dollars and giving proof of his identity.

Graduates in Arts, or students having matriculated in Arts in any University in Her Majesty's dominions, are not required to pass the Matriculation examination, but may register their names with the Registrar of the College upon giving satisfactory evidence of their qualifications and paying the Matriculation fee of \$20.

Every Medical Student, after matriculating shall be registered in the manner prescribed by the Council, and this shall be held to be the beginning of his medical studies, which shall date from such registration.

Every Student, after his matriculation has been registered, must spend a period of FOUR YEARS in actual professional study.

EVERY STUDENT WHO HAS NOT ATTENDED ANY RECOGNIZED MEDICAL SCHOOL PRIOR TO JUNE, 1880, SHALL BE REQUIRED TO ATTEND MEDICAL LECTURES FOR AT LEAST FOUR SESSIONS OF SIX MONTHS EACH, EXCEPT IN THE CASE OF GRADUATES IN ARTS.

Each Six Months' Course shall not consist of less than one hundred lectures.

Every student must attend the undermentioned Course of Lectures in a University, College or School of Medicine approved of by the Council, viz :

Two courses of *Six Months* each upon Anatomy, Practical Anatomy, Physiology (including Histology), Theoretical Chemistry, Materia Medica and Therapeutics, Principles and Practice of Medicine, Principles and Practice of Surgery, Midwifery and Diseases of Women and Children, Clinical Medicine and Clinical Surgery.

One course of *Six Months* or *two* courses of *Three Months* each upon Medical Jurisprudence, and *one* course of *Three Months* upon Practical Chemistry and Botany.

One course of not less than *Twenty-Five Demonstrations* upon Microscopic Anatomy, Physiological and Pathological, and one course of twenty-five lectures on Sanitary Science.

Every student, before being admitted to the Final Examination hereinafter mentioned, must have spent a period of Six Months in compounding medicines.

Every candidate will be required to prove that he has carefully dissected the whole adult human body.

He must have attended the practice of a General Hospital for twenty-four months.

He must have attended six cases of Midwifery.

He must, before being registered as a member of the College of Physicians and Surgeons of Ontario, have passed all the examinations hereinafter prescribed ; and he must have attained the full age of twenty-one years.

Graduates in arts who have attended one course of lectures on Botany and Practical Chemistry, and two courses on Theoretical Chemistry, and who have already passed an Examination on these subjects in any of the recognized Colleges, will not be required to undergo a second examination on the same, provided they produce tickets for the courses of lectures stated, and a certificate of having passed an examination on these subjects.

All persons from recognized Colleges outside the Provinces of Ontario and Quebec who desire to qualify themselves for registration in this Province must pass the Matriculation

Examination recognized by the Council, and attend thereafter one full "Winter Course" of Lectures, during two Winter Sessions, in some of the Ontario Medical Schools, and such other course or courses as may be necessary to complete the Curriculum required by the Council, and shall pass, before the Board of Examiners appointed by the Council, all the Examinations hereafter prescribed. Graduates of such Colleges as are above referred to, who present certificates of attendance upon THREE full winter courses of Lectures before graduating, will be required to take one full course of Lectures in one of the Ontario Medical Schools.

Nothing shall exempt residents of Ontario, who, after 1887, choose to pursue their studies outside of the Province of Ontario, from passing four years in the pursuit of their professional studies: such four years to commence at the date of their passing the Matriculation Examination before the Examiners appointed for that purpose by the Council.

1. Hereafter the Professional Examinations shall be divided into a *Primary* and a *Final* Examination.

2. The *Primary* Examination shall be undergone at the end of the Second, and the *Final* at the end of the Fourth, Winter Session.

3. The following branches shall be embraced in the Primary Examination, viz.:

Descriptive Anatomy. Physiology and Histology. Theoretical Chemistry. Practical Chemistry. Botany. Toxicology. Materia Medica and Therapeutics.

4. Each candidate for the Primary Examination will be required to present, with his Lecture tickets, a certificate of having undergone examination at the School he has attended, at the close of his first Winter Session, on Anatomy, Physiology, Chemistry, Materia Medica and Botany. Such Examination shall not, however, in any way affect the Primary Examination of the Council.

5. The following branches shall be embraced in the Final Examination :

Medical and Surgical Anatomy. Theory and Practice of Medicine and Sanitary Science. Medical Pathology. Surgery (other than operative) and Diseases of Women and Children. Midwifery, Operative. Medical Jurisprudence.

Any candidate who passes creditably in three or more branches, but fails in the others, shall receive credit for the subjects so passed, and be compelled to pass in the other branches *only* at a subsequent Examination.

The following scale of Fees has been established by the Council of the College of Physicians and Surgeons of Ontario :

Students examined by the various Colleges prior to July, 1870...	\$10 00
After July 1st, 1881, in all cases.....	20 00
Primary Examination.....	20 00
Final Examination.....	30 00

All fees to be paid to the Treasurer of the Medical Council prior to the several examinations.

EXAMINATIONS IN MEDICINE.

SURGERY.

1. Give the causes, pathology and treatment of Osteitis.
2. Describe step by step (observing all the antiseptic precautions) the operation of Exsection of the Shoulder Joint.
3. Name the Dislocations that may occur at the Hip, Ankle and Elbow Joints.
4. In a case of Hemorrhage, where death seems imminent from Syncope, describe fully the treatment to be adopted.
5. Describe fully the changes which occur in the Blood, Blood-Current, Capillaries and Perivascular Connective Tissue, during the process of Inflammation.
6. How would you treat the following Simple Fractures : (a) Patella, (b) Clavicle, (c) Olecranon Process ? Describe the process of repair.
7. Name the principal forms of Club-Foot, and give a short description of each.

PRACTICE OF MEDICINE.

1. Diagnose Diphtheria from Membranous Croup. Give pathological anatomy of Diphtheria.
2. Give symptoms and treatment of Lobar Pneumonia.
3. What is the pathological anatomy of Capillary Bronchitis.
4. Give chief objective symptoms of the "Febrile State ;" write brief explanatory notes of each symptom. (a) Distinguish between *symptomatic* and *idiopathic* fevers. (b) Mention some of the diseases in which the Typhoid state occurs ; give the cause and symptoms and distinguish it from true Typhoid.
5. Name the different sources of blood in Hæmaturia. State what conditions or affections may give rise to it.
6. Distinguish between Gastric and Cerebral vomiting. Give treatment, medicinal and dietetic, of (1) Muco-Enteritis, (2) Migraine (in the interval between the attacks, in the pre-monitory stage, and during the attack).

OBSTETRICS.

1. Give the signs of Pregnancy at the fifth month.
2. Give the treatment of Abortion at the third month, indicating the chief danger to be met with in such cases.
3. How would you recognize a Breech Presentation? How would you treat such a case before the breech is born and subsequently?
4. What circumstances favor the occurrence of Post-Partum Hemorrhage? State in order what you would do under such circumstances.
5. State, step by step, what you would do immediately after the birth of the child.
6. Give the causes, usual time of appearance and symptoms of Puerperal Fever.
7. What forms of Uterine Flexion do we find? Give causes, symptoms and treatment.

MEDICAL JURISPRUDENCE.

1. Give symptoms and post mortem appearances of poisoning by Carbolic Acid.
2. Define Hanging, Strangulation and Suffocation.
3. How would you determine whether a case of hanging had been homicidal or suicidal.
4. What appearances would indicate that a new-born child had breathed?
5. Distinguish between Idiocy and Mania.
6. Describe Melancholia.
7. Name some of the ordinary disinfectants, and describe the manner in which they act.

MATERIA MEDICA.

1. Write a prescription, in Latin, for a case of habitual Constipation, containing Extract of Belladonna, Extract of Nux Vomica, powdered Ipecacuanha and powdered Rhubarb. Order two dozen pills—one to be taken night and morning.

2. In what respects do Alum, Yellow Sulphate of Mercury, Tartar Emetic and Ipecacuanha differ in their emetic properties? Give the doses of each for an adult.

3. Mention three conditions of the system which favor the absorption of medicines by the stomach, and two or more conditions which impede their absorption.

4. Explain how Digitalis, Stropanthus and Nitrate of Potash act as Diuretics.

5. Give the doses of Morphia and Cocaine, when used subcutaneously. For what purposes is Cocaine thus used?

6. Explain how the following classes of medicines may act as Expectorants: (1) Stimulants, (2) Nauseants, (3) Narcotics.

7. What is the chief danger to be apprehended from the use of Chloroform as an Anæsthetic?

8. How is Blue Pill Mass made?

PHYSIOLOGY.

1. Describe the action of the Pancreatic secretion on the different constituents of the food.

2. Describe the physical and chemical qualities of the Blood in the right and left sides of the heart.

3. What is meant by Vital Capacity of the chest? What is its amount in an average healthy adult, and how is it affected by stature, weight and age?

4. Describe Urea. What are its sources, and give its tests?

5. A man comes to you with Ptosis. What condition of the Pupil, and what kind of Strabismus, would you find accompanying it, and give reasons?

6. Describe the process of Fecundation.

ANATOMY.

1. Describe the lower end of the Radius, and name *in order* the tendons which groove its external and posterior surfaces.

2. Give origin, insertion, and nerve supply of the following muscles: Occipito-frontalis; Digastric; Crico-thyroid; Deltoid; External Oblique of Abdomen; Tibialis Posticus; Peroneus Longus; Diaphragm.

3. Name the branches of the Subclavian Artery and the *important* structures in relation with it in the *third* part of its course.

4. Name in order and trace the distribution of the branches of the Facial nerve after its exit from the Stylo-Mastoid Foramen.

5. Mark out on the accompanying diagram : i. The region of the Lungs ; ii. The region of the Heart. Name the valves of the Heart and indicate by numbers on the diagram their position.

HISTOLOGY.

1. Describe the human red blood corpuscle. In what animals are the blood corpuscles shaped different from the human ?

2. Describe minutely the structure of voluntary muscle fibre.

3. Describe the structure of Arteries, and tell in what way they differ from Veins.

4. Describe the Malpighian corpuscle of the kidney.

CHEMISTRY.

First year.

1. (a) Mention *ten* metals and *ten* non-metals. (b) Mention *three* elements the chemical properties of which are both metallic and non-metallic.

2. What is the composition of the following : *Sand, quick-lime, clay, glass, paper, silver coin, baking soda, borax, quartz, galena.*

3. (a) Change 40° Fahrenheit to Centigrade. (b) Twenty ounces of ice at 0° C are melted in 1,000 ounces of water at 50° C. What is the resulting temperature ?

4. What weight of carbon dioxide at standard temperature and pressure will fill a vessel of 15 litres capacity ?

5. Show that the Law of Multiple Proportions applies to the following case : The percentage composition of three oxides of manganese is (1) manganese, 77.40 ; oxygen, 22.60 ; (2) manganese, 69.54 ; oxygen, 30.46 ; and (3) manganese, 63.13 ; oxygen, 36.87.

6. (a) How is Epsom Salts prepared? (b) Write its formula and mention its chief properties.

7. (a) How would you prepare a specimen of carbon dioxide? (b) Mention its important properties. (c) Write the equation.

8. Mention *three* gaseous poisonous compounds of carbon and write their formulas.

9. Give a list of the names and formulas of the more important compounds of mercury.

10. Starting with sodium chloride, how would you prepare (a) sodium sulphate, (b) chlorine, (c) hydrochloric acid?

Second year.

1. Prepare nitrogen monoxide and illustrate its properties by experiments.

2. Convert starch into glucose, and show that the conversion has taken place. Explain the chemical actions involved.

3. Illustrate and explain the action of lead nitrate as a deodoriser.

4. Prepare *Calomel* and *Black Wash*, and explain the chemical actions involved.

5. Prepare nitrogen and explain the chemical action involved.

6. Convert cane sugar into grape sugar, and show that the change has taken place.

7. Prepare *Powder of Algaroth* and explain the chemical action involved.

8. Prepare ferric hydroxide and explain your method.

PRACTICAL CHEMISTRY.

I for first year ; II for second year ; III for both years.

I.

1. Analyse qualitatively the solid *A*.

2. Determine by dry tests the substances present in *B*.

3. Prepare nitrogen dioxide and illustrate its properties.

4. Prepare hydrochloric acid and illustrate its properties.

II.

1. Estimate in solution *C* the number of grams per litre (*a*) of iron (ferrous), and (*b*) of sulphuric acid (calculate as SO_4).
2. Estimate in the solid *D* the percentage (*a*) of chlorine, and (*b*) of alumina.
3. Estimate in the solid *E* the percentage of arsenic trioxide.

III.

1. From the alcohol in bottle *F* prepare iodoform. Dry the iodoform and weigh it in a stoppered tube.
2. Describe the crystals (1) and (2) and the models (3) and (4), giving the crystallographic systems to which they belong, and the formulas of the various faces present.

BOTANY — FIRST YEAR.

First paper.

1. "The root and stem grow in a different mode." Explain this statement fully.
2. Classify the different modes in which plants climb, giving examples of each.
3. How do monopodial and sympodial stems differ from each other?
4. Distinguish between a scorpioid and a helicoid Cyme.
5. Describe the particular adaptations for intercrossing in any three of the following plants: *Phaseolus vulgaris*, *Apios tuberosa*, *Kalmia latifolia*, *Iris versicolor*, *Habenaria dilatata*.
6. Define the following terms: Rhaphe, strophiole, caruncle, aril, endosperm, perisperm, hilum, testa.
7. What are the uses of (1) Bright colors in fruits, (2) Dull colors in nuts, (3) Bony endocarps or drupes, (4) Edible pulp in berries, (5) Nectar in flowers?
8. Explain the Linnæan system of classification, and show how it differs from the natural system.

Second paper.

HISTOLOGY AND PHYSIOLOGY.

1. Describe the spontaneous movements of living Protoplasm.
2. Write notes on the Cell, its form, walls, markings and stratification.

3. State Nageli's theory of the structure of the cell-wall and its mode of thickening.

4. Why is iron believed to be present in Chlorophyll?

4. How are the following tissues distinguished from each other : (1) Parenchyma, (2) Collenchyma, (3) Sclerenchyma?

6. Describe as fully as you can the internal structure of a leaf.

7. How does temperature affect plants as to (1) The absorption of water, (2) Evaporation, (3) Assimilation?

8. How does light affect Assimilation?

9. Describe the movements of plants dependent upon external stimuli.

10. Describe the structure of the Stomata and state their use.

GRADUATES OF 1888.

Students of the Royal College admitted to the degrees of
M.D. and C.M. at Queen's University Convocation, 1888 :

Baker, T. C.	Wolfe Island.
Chamberlain, W. P.	Morrisburg.
Connell, J. C., M.A.	Kingston.
Cooke, W. H.	Minneapolis.
Downing, W. H.	Kingston.
Fraser, J. B.	Spencerville.
Gillis, A.B.	Rowena.
Horsey, E. H.	Windsor, N. S.
Jamieson, D.	Kars.
Jamieson, T. J.	Kars.
Koyle, F. H.	Brockville.
Livingston, J. S.	Belleville.
Mabee, C. O.	Odessa.
Mallory, C. N.	Escott.
Maxwell, W. J.	Bishop's Mills.
McCammon, S. H.	Kansas City.
McGillivray, T. S.	Kingston.
McGrath, E.	Campbellford.
O'Neil, T.	Belleville.
Pratt, W. F.	Ottawa.
Pratt, Wilton.	Toledo.
Robertson, J. W.	Milhaven.
Robinson, R. P.	Carleton Place.
Scott, P. J.	Southampton.
Smellie, D. McK.	Chesley.
Walker, A. D.	Harriston.
Whitney, A. W.	Iroquois.
Wright, T. A.	Westmeath.

Medalists.

Gold Medal	W. H. Downing.
Silver Medal	Edward McGrath.

House Surgeons, Kingston General Hospital.

John Duff	
M. E. McGrath	

Demonstrators of Anatomy.

3rd Year.	O. L. Kilborn.
2nd Year.	A. Gandier.

LIST OF GRADUATES.

M.D.

1855.

Chambers, Daniel.....	Deceased.
Douglass, Robert.....	Deceased.
Dunbar, Samuel.....	Deceased.
Herriman, Weston Leroy.....	Lindsay.
Hillier, William.....	Deceased.
Mercer, John G.....	Deceased.
Scott, Wm. S.....	Sonthampton.
Spafford, H. W.....	Deceased.
McKellar, Dugald.....	Deceased.

1856.

Brown, Marshall J.....	Kingston.
Campbell, John H.....	Deceased.
Corbett, Geo. H.....	Orillia.
Franklin, Benjamin.....	Port Burwell.
Yates, Octavius.....	Deceased.

1857.

Bell, James M.....	Deceased.
Bowers, Samuel S.....	Fond du Lac, Wisconsin.
Chisholm, H. F.....	Deceased.
Crawford, Joseph.....	Arnprior.
Joy, Sylvanus.....	Tilsonburg.
Laidlaw, Alex. R.....	Deceased.
Lawlor, Michael.....	Deceased.
Macdonald, Alex. R.....	Brighton.
Perrault, Julien.....	San Francisco, Cal.
Thibodo, Oliver.....	Arizona.

1858.

Benson, John R.....	Deceased.
Bethune, Alexander.....	Toronto.
Davis, R. H.....	York, Grand River.
Evans, Henry.....	Deceased.
Elmer, Wm. W.....	Bay City, Mich.
Hackett, Joseph.....	Deceased.
Henderson, Donald.....	Winnipeg, Man.
Mostyn, Wm.....	Deceased.
Smith, George.....	Deceased.
Sweetland, John.....	Ottawa.
Sullivan, Michael.....	Kingston.

1859.

Bird, Francis W.....	Deceased.
Boyle, Arthur A.....	Toronto.
Campbell, George.....	
Cluness, Wm. R., B.A.....	Sacramento, Cal.
Day, H. W.....	Trenton.
Ferguson, Charles F.....	Kemptville.
Foster, Robert J.....	Deceased.
Henderson, Wm.....	Deceased.
Lambert, Robert.....	Windsor.
Morden, John H.....	Deceased.
McLean, Caird R.....	Meaford.
Sparham, George S.....	Kemptville.

1860.

Bird, Nelson J	San Francisco.
Chanonhouse, Thos.	Deceased.
Cranston, James G	Arnprior.
Dupuis, Thomas R.	Kingston.
Giles, John G.	Brockville.
Horse, Edward H.	Chicago.
McKenzie, Edward	Smith's Falls.
Roche, Wm. P.	Deceased.
Rose, George S.	Deceased.
Spooner, Geo. D.	Deceased.
Trousdale, Jas. C.	Deceased.

1861.

Anderson, Wm. J.	Winchester Springs.
Blakely, Robert.	Deceased.
Cogan, Jeremiah R.	Deceased.
Corry Robert	Deceased.
Deans, William C.	Deceased.
Dunlop, Neil.	Sydenham.
Farrell, John T.	Deceased.
Fraser, John M., B.A.	London.
Kelly, David.	Deceased.
Kelly, Edward J.	Ottawa.
Kemp, J. A.	Deceased.
O'Reilly, Anthony	Deceased.
Parker, Robert.	Stirling.
Ramsay, Robert.	Deceased.
Taylor, Wm. F.	Brisbane.
Thirkell, Wm. G.	Sodus, N. Y.
Weir William.	Deceased.

1862.

Black, Wm. A.	Deceased.
Branigan, P. R.	Deceased.
Chamberlain, Theodore F.	Morrisburg.
Day, B. W.	Council Grove, Kansas.
Fee, S. H.	Kingston.
Harrison, Thomas S.	Selkirk.
Hamilton, David.	Batavia, N. Y.
Johnson, Absalom H. J.	Lockport, N. Y.
Kelloock, J. D.	Perth.
Meadows, R. W.	H. M. Service.
McKenzie, Andrew	Deceased.
Macdonald, J. A.	Port Arthur.
Macpherson, Alexander	Deceased.
Reily, Adrian.	Welland.
Skinner, Henry	Deceased.
Spence, Henry	Deceased.
Switzer, Wilson Irwin	Deceased.
Thibodo, Robert	Winnipeg, Man.
Tracey, Robert.	Belleville.
Young, Daniel	Conway.

1863.

Aylesworth, Arch. R.	Deceased.
Beckett, James.	Deceased.
Bray, John L.	Chatham.
Chanonhouse, John.	Eganville.
Coleman, Wm. F.	St. John, N.B.

Dickson, John R.	Deceased.
Elwell, W. D.	Deceased.
Ferguson, Ed. G.	Brunswick, Georgia.
Ferguson, R. B.	Winnipeg, Man.
Howells, Thomas B.	Deceased.
Ingersoll, Isaac F.	Picton.
Irwin, Chamberlen A.	Kingston.
Kennedy, Roderick	Bath.
Kincaid, Robert.	Peterboro.
Lavell, Michael	Kingston.
Litchfield, J. P.	Deceased.
Moore, Andrew	Deceased.
McCammon, James	Deceased.
McLean, Thomas F.	Goderich.
Nichol, James.	Deceased.
Oliver, Alfred S.	Kingston.
Ross, Thomas K.	Fredonia, N. Y.
Ruttan, Joseph B.	Wellington.
Shirley, Joseph W.	Watford.
Smith, John R.	Deceased.
Sullivan, Thomas	Deceased.
Watson, Charles V.	Wellington.
Wilson, John A.	Deceased.
Yates, Horatio	Deceased.
Yeomans, Horace P.	Mount Forest.

1864.

Bigham, Hugh	Deceased.
Comer, A. T.	New York City.
Davidson, Myers.	Florence.
Dunn, Andrew T.	North Augusta.
Fenwick, T. M.	Kingston.
Fox, Edward C.	
Gleeson, James.	Deceased.
Grasse, Sydney D.	Deceased.
Hoare, Walter W.	Strathroy.
Milliner, W. S.	Oswego.
McIntyre, Duncan.	Wardsville.
Preston, Robert H.	Newboro.
Searls, Abram W.	Deceased.
Taylor, James.	Tara.
Thornton, Wm. M.	Deceased.
Wartman, Philander C.	Deceased.

1865.

Agnew John	Deceased.
Be'l, Alexander	Lakefield.
Bigham, John.	Deceased.
Bowen, Robert.	H. M. Service.
Deans, George.	Trenton.
Heggie, David	Brampton.
Horsey, Alfred.	Ottawa.
Kertland, Edwin H.	Toronto.
Massie, John.	Norwood.
Morden, James B.	Picton.
McLaren, Alexander	Shannonville.
Neish, James	Kingston, Jamaica.
Reeve, Richard A.	Toronto.
Tracy, Thomas B.	Deceased.
Weeks, W. J.	Winnipeg.

1866.

Armstrong, Alfred.....	Deceased.
Beattie, Wm.....	Wayran.
Bell, John.....	Deceased.
Darragh, R. J.....	Sunbury.
Jones, Henry M.....	Marmora.
Kahkewaquonaby.....	Haggersville.
Lake, Charles B.....	Ridgetown.
Mark, Robert.....	Ottawa.
Newton, John.....	Deseronto.
Price, Robinson B.....	Kingston.
Somerville, James A.....	Marionette, Wis.

1867.

Armstrong, Albert.....	Arnprior.
Campbell, Joseph.....	Paisley.
Dugdale, John J.....	Montreal.
Howell, George W.....	Tweed.
Meagher, Daniel.....	Montreal.
Monro, John C.....	South Finch.
Munro, David.....	Perth.
Patterson, James R.....	Port Elgin.
Valleau, Geo. Z.....	
Wafer, Francis M.....	Deceased.
Walker, Allen H.....	Hamilton.

1868.

Abbott, Samuel A.....	Deceased.
Bigham, James.....	Warsaw.
Booth, Donald B.....	Odessa.
Bleasdel, Charles E.....	Deceased.
Clark, James.....	Bay City, Mich.
Corbett, Henry T.....	Deceased.
Dickson, John R.....	Deceased.
Erly, Francis W. J.....	Deceased.
Johnstone, David.....	Kincardine.
Nesbitt, Edward.....	Deceased.
Oliver, John K.....	Deceased.
O'Sullivan, John.....	Deceased.
Rockwell, Albert.....	Frankford.
Saunders, Lawrence.....	Deceased.

1869.

Alexander, James A.....	Deceased.
Alway, Enoch.....	Binbrook.
Bethune, Henry T.....	Clanbrassie.
Bice, Mark.....	Arva.
File, Albert.....	Ameliasburg.
Fraser, Anson S.....	Sarnia.
Harvey, Albert E.....	Wyoming.
Hendry, George.....	Deceased.
Hillier, Solomon C.....	Bowmanville.
Mann, James.....	Renfrew.
Leavitt, Arven S.....	Toronto.
Purdy, Charles W.....	Chicago.
Saunders, Herbert J.....	Kingston.
Spooner, Hiram S.....	Sutton.
Stewart, Alex. J.....	Angus.
Stowell, Olmsby O.....	
Vanvlack, Gilbert J.....	Deceased.
Wilson, Charles J. C.....	Montreal.

1870.

Bridgland, Samuel.....	Bracebridge.
Dumble, Wm. C.....	Tara.
Hodge, George.....	Mitchell.
Matheson, Murdock.....	Waverly, N. S. Wales.
Moore, Vincent H.....	Brockville.
Potter, Levi.....	Enniskillen.
Rutherford, James.....	Orono.
Sayers, Alexander.....	Marion, N. Y.
Sievwright, James A.....	Deceased.
Thornton, Thomas H.....	Consecon.

1871.

Bernard, Gerald.....	Newcastle-on-Tyne, Eng.
Chaffey, Ellsworth.....	Ontario, South California.
Day, W. D. P. W.....	Harrowsmith.
Fairbairn, Archibald C.....	Minneapolis.
Gillies, Neil.....	Winnipeg.
Gunsolus, Kenneth.....	
Higinbotham, William.....	Omemee.
Houston, Wm. R.....	Chatham.
Kidd, Edward.....	Picton.
Lafferty, James.....	Calgary.
VanAllen, John R.....	Kansas City.
Young, David.....	Lower Fort Garry.

1872.

Brien, James.....	Essex Centre.
Clarke, John.....	Peterboro.
Gerin, John.....	Auburn, N.Y.
Rockwell, Ashbel S.....	Rochester, N.Y.
Rourke, Francis.....	Dublin, Ont.

1873.

David, Alfred.....	Atlantic Mines, Mich.
Kennedy, Jacob.....	Sackville, N.B.
Lavell, Charles H.....	Deceased.
McLennan, Alexander S.....	Chicago.
McAdam, S. T.....	Pembroke.
McMahon, James.....	Texarkana, Texas.
Purdy, Alvanly N.....	Dunlop, Texas.
Spear, Hugh.....	Toronto.
Walkem, W. W.....	Nanaimo, B.C.

1874.

Claxton, William.....	Verona.
Fenwick, Kenneth.....	Kingston.
Ford, Herbert Douglas.....	Chicago.
Gibson, Andrew M.....	Clinton.
Jones, John.....	Kemptville.
Lane, Joseph W.....	Mallorytown.
McLean, Solomon C.....	Spencerville.

1875.

Betts, Alfred H.....	Deceased.
Carscallen, Allen B.....	Enterprise.
Deynard, Adelbert.....	Owen Sound.
Dingman, W. E.....	Listowell.
Dowsley, David H.....	Clinton.
Masson, Thomas.....	Cape Vincent.
Potter, Samuel.....	Groves' Corners.
Preston, Richard.....	Carleton Place.
Tuttle, Leslie.....	Tweed.

1876.

Case, George H	Deceased.
Davis, Ransom A.	Easton's Corners.
Kennedy, Alexander.	Port Arthur.
Murphy, John Bernard	Belleville.
Potter, Thomas	Ottawa.
Yourex, John McGill	Warsaw.

1877.

Bowen, George.	Seeley's Bay.
Day, Jonathan.	Fullarton.
Dowsley, George C.	Owen Sound.
Dumble, Thomas H.	Gananoque.
Higgins, Edward M.	Hamilton.
Holmes, F. S. Leroy.	Merrickville.
Hourigan, Andrew R.	Peterboro.
Hubbs, H. A. M.	Bay City, Mich.
Miller, Lindsay F.	Toronto.
McNicholl, Eugene C.	Cobourg.
Phelan, Daniel.	Kingston.
Scovill, Simmons	Rat Portage, Keewatin.

1878,

Beeman, Thomas W	Smith's Falls.
Bennett, Henry	Sullivan.
Clinton, George.	
Craig, Hugh A.	Cobourg.
Evans, Henry	Deceased.
Hossie, Thos. R.	Gouverneur, N. Y.
Kennedy, Wm. B.	Chattenham.
Kidd, Peter E.	Midland City.
Lewis, Frederick	Orangeville.
Lynch, Dennis P.	Almonte.
MacArthur, James	London.

1879.

Abbott, Rodney H.	Comber.
Clark, William.	
Cleaver, J. C. C.	Montserrat, Trinidad.
Cleaver, Wm. T.	Wigan, Eng.
Donovan, P. C.	Gretna, Man.
Henderson, W. H.	Kingston.
Horton, Robert N.	Brockville.
Judson, Geo. W.	Lyn.
Kilborn, Roland.	Toledo.
Lafferty, Wm. A.	Deceased.
Leonard, Raymond.	Napanee.
McCaunnon, James A.	Gananoque.
McCullough, Wm. S.	Deceased.
Newlands, George.	Litchfield.
Ward, George C. Tremaine.	Napanee.

1880.

Chown, Henry H.	Winnipeg.
Clark, J. G.	Meaford.
Day, Lewis E.	Deceased.
Dickson, Charles R.	Kingston.
Empey, Charles T.	Cross Hills, Leeds, England.
Galbraith, John E.	Deceased.
Knight, John H.	Amherstburg.
McPhadden, Murdoch.	Belwood.
Odlum, John.	Sparta, Co. Simcoe.

Reeve, Henry H	Almonte.
Waddell, W. H.	
Wilson, Thomas	Tara.

1881.

Alexander, F. R.	Deceased.
Betts, J. Howard.	Kingston.
Coughlan, Richard	Hastings.
Gibson, W. J.	Belleville.
Herrington, A. W.	Deceased.
Jamieson, John	Pakenham.
Johnston, D. A.	Deceased.
Lavell, William A.	Smith's Falls.
McConnell, B. J.	Nelsonville.
McGurn, J. S.	Deceased.
Oldham, Edmund.	Chatsworth.
O'Shea, James.	Deceased.
Reid, W. D.	Montpelier, Vt.
Rogers, D. H.	Lindsay.
Snider, S. H.	
Symington, T. J.	Camlachie.
Wallace, David.	Metcalfe.

1882.

Anglin, R. S.	Springfield, Nebraska.
Cameron, A. D.	Lancaster.
Cornell, A. P.	Gravenhurst.
Coutlee, H. N.	Sharbot Lake.
Denike, G. M.	Fulton, N. Y.
Dupuis, J. M.	Philadelphia, N. Y.
Garrett, R. W.	Kingston.
Jarvis, Charles E.	London.
Knox, Henry.	Shawville, Q.
Koyl, F. T.	Ada, Man.
Macdonald, Hugh N.	Lake Ainslie, C.B.
Mordy, G. A.	Ashton.
Reeve, John L.	Clinton.
Rutherford, D. B.	Morrisburg.
Stewart, J. M.	Chesley.

1883.

Anglin, W. G.	Kingston.
Clancy, Charles C.	Port Huron.
Cryan, John.	Demorestville.
Davis, L. T.	Nanaimo.
Froiland, Herman M.	Toronto.
Kidd, John F.	Ottawa.
Hickey, Daniel C.	Kingston.
McGhie, George S.	Elgin.
McMurchy, A.	Chapleau, Algoma.
Moore, Thomas A.	Westville, N.S.
Page, Thomas A.	Brockville.
Smith R.	Manotic.
Young, W. J.	Wingham.

1884.

Beatty, E.	Indore.
Bullis, W. H.	Chatham.
Cartwright, R. C.	Rochester.
Cumberland, Thomas.	Fort Gratiot.
Duff, H. Ramsay.	Newburg.
Emery, H. J.	Crosswell, Sanilac Co., Mich.

Forrester, Edgar	Brockville.
Forin, A. W.	Brighton.
Fraser, R. N.	Thamesville.
Foxton, E.	Ingersoll.
Herald, John	Kingston.
Mackie, D. H.	Belleville.
McCammon, C. Gordon	Clifton Springs, N. Y.
McGillivray, A. H.	Kingston.
Smith, E.	Kingston.
Stirling, J. E.	
Webster, W. J.	White Lake, Aurora Co., Dak.
Williams, Herbert S.	Mount Vernon, Dakota.

1885.

Bertram, T. A.	Dundas.
Clark, C. W. D.	Bristol, England.
Corliss, M. A.	St. Thomas.
Cunningham, Harry C.	Toronto.
Dawson, Henry	Cape Vincent.
Dwyre, Andrew	Elgin.
Ford, H. B.	Moorwood.
Hooper, E.	Kingston.
Kyle, Wm. A.	Manotick.
Reynolds, H. E.	Toronto.
Roy, Henry	Chisholm.
Russell, D. H.	Mankato, Minn.
Spankie, Wm.	Wolfe Island.
Stirling, James A.	Pictou.

1886.

Beeman, W. C.	Cataraqui.
Bruce, F.	Mount Morris, Mich.
Burdett, H. E.	Minneapolis.
Casselman, J.	North Williamsburg.
Collins, C.	Peterboro.
Conerty, J. M.	Winchester.
Cornell, S. S.	Farmersville.
Coy, W.	Kingston.
Creeggan, J. G.	Lyndhurst.
Dane, A. A.	
Dickson, A.	Kingston.
Dixon, M. L.	Frankville.
Donovan, E. I.	
Foley, D. E.	Wolfe Island.
Galligan, T. D.	Renfrew.
Hamilton, J. A.	
Hanna, J. E.	North Gower.
Heath, F.	Brantford.
Jack, J. G.	
Jamieson, A.	
Lane, I. J.	Mallorytown.
McCardell, E. J.	
McLaughlin, E.	Harrowsmith.
McVety, A.	Kingston.
Mather, M.	Stoco.
Mellow, S. J.	Bath.
Mundell, D. E.	Kingston.
Mundell, John	Kingston.
Nimmo, J. H.	Pittsburg.
Oliver, M.	Indore, India.
Pitblado, C.	

Shaw, J. M.	Mallorytown.
Smith, F. B.	Watertown, N. Y.
Storms, D. G.	Hamilton.
Watts, E. J.	Franktown.
Wright, E. W.	Cataraqui.
White, A. N.	Casenovia, N. Y.

1887.

Allen, A. G.	Kingston.
Anderson, J. J.	Winchester Springs.
Anglin, J. V.	Coaticook.
Beeman, T. A.	Bancroft.
Begg, J.	Manilla, Iowa.
Blaylock, E.	
Cameron, Dan.	Lanark.
Dickson, A.	Kingston.
Dunlop, J. D.	Alpena, Mich.
Errett, A. J.	Merrickville.
Funnell, A. A.	Hamilton.
Ferguson, A. G.	Bathurst.
Fisher, A. J.	Warton.
Freeman, A. E.	Inverary.
Gallagher, M.	Campbellford.
Gibson, A. E.	Oakland, Iowa.
Hart, J. F.	Prescott.
Hart, M. W.	Prescott.
Hay, William.	St. Lawrence, N. Y.
Heslop, John E.	Port Dover.
James, M.	Brudenell.
Livingston, M.	Kingston.
McEwen, Ewen.	Franktown.
Mabee, J. E.	Odessa.
Maybee, M.	Milford.
Neish, W. D.	Kingston, Jamaica.
Piric, Alex. F.	Cartego.
Ranstead, H.	Ottawa.
Scales, Thomas.	Kingston.
Thorne, S. H.	Brighton.
Warner, A. F.	Wilton.

FELLOWS.

Bethune, Alexander.	Wingham.	1874
Cluness, Wm. B.	Sacramento, Cal.	1871
Dickson, John R.	(Deceased)	1866
Dupuis, Thomas R.	Kingston.	1871
Fenwick, Kenneth N.	Kingston.	1886
Fowler, Fife.	Kingston.	1866
Henderson, Donald.	Winnipeg.	1886
Horsey, Edward H.	Chicago.	1886
Irwin, Chamberlen Arthur.	Kingston.	1886
Kennedy, Roderick.	Bath.	1866
Lavell, Michael.	Kingston.	1866
Maclean, Donald.	Ann Arbor, Michigan.	1866
Mark, Robert.	Ottawa.	1871
Matheson, Murdoch.	Aramac.	1886
Neish, James.	Kingston, Jamaica.	1874
Oliver, Alfred S.	Kingston.	1873
Purdy, Charles W.	Chicago.	1886
Reeve, Richard A.	Toronto.	1866

Saunders, Herbert J.	Kingston	1871
Sullivan, Michael	Kingston	1866
Yates, Horatio	(Deceased)	1871
Yates, Octavius	(Deceased)	1871

LICENTIATES.

Abbott, Samuel	(Deceased)	1872
Alexander, James	(Deceased)	1869
Alway, Enoch	Binbrook	1869
Bice, Mark	Hampton	1869
Bigham, Hugh	Fenelon Falls	1867
Bigham, James	Warsaw	1868
Bruce, Fred	Mount Morris, Mich	1888
Booth, Donald B.	Odessa	1868
Burgar, C.	Welland	1870
Campbell, Albert L.	Belleville	1888
Chaffey, Ellswood	Ontario, California	1870
Chamberlane, Theodore F	Morrisburg	1871
Clapham, Edward	1868
Close, James	Ohio, U.S.	1873
Coleman, William F.	St. John's, N.B.	1871
Corbett, Henry T.	(Deceased)	1868
Cornell, Charles	Farmersville	1872
Davis, L. T.	Nanaimo	1883
Davison, Myers	Florence	1871
Day, Barnabas W.	Council Grove, Kansas	1871
Day, Jonathan	Fullarton	1881
Dickson, John R., jr.	(Deceased)	1866
Dowsley, D. H.	Clinton	1875
Dugdale, John J.	Montreal	1867
Dunlop, James Donald	Alpena, Mich	1886
Erischen, Hugo	Detroit	1882
Erly, Francis W. J.	(Deceased)	1868
File, Albert J.	Ameliasburg	1869
Fralick, W. G.	1887
Fraser, Allen H.	(Deceased)	1867
Graham, Wm. J.	Bothwell	1873
Gunsolus, Kenneth	1874
Hall, Wm.	Qu'Appelle	1883
Hall, John D.	(Deceased)	1878
Harvey, Leander	Watford	1867
Hay, William, B.A.	St. Lawrence, N.Y	1887
Hendry, George	(Deceased)	1869
Herriman, Weston Leroy	Lindsay	1869
Higginbotham, A.	(Deceased)	1868
Horsey, Edward H.	Chicago	1871
Houston, Wm. R.	Chatham	1871
Hutcheson, John	Meaford	1869
Jehnstone, David	Kincardine	1869
Keith, Sylvanus	New Glasgow, N. S.	1886
Kidd, Edward	Pictou	1871
Knight, John H.	1880
Lavell, Charles H.	(Deceased)	1873
Lavell, Wm. A.	Smith's Falls	1880
Maclean, Archibald	Ann Arbor	1880
Mark, Robert	Ottawa	1867
McPhee, J. H.	Pembroke	1886
McDowell, John	(Deceased)	1880

Meadows, R. W.	H. M. Service.	1866
Meagher, Augustine D.	(Deceased)	1869
Munro, David	Perth	1867
Murphy, H. J.	Chatham	1867
Maclean, Donald	Ann Arbor, Mich.	1868
McLennan, Alexander S.	Chicago	1873
Nesbitt, Edward	(Deceased)	1868
Newell, James	Wyoming	1869
Nimmo, John H.	Birmingham	1886
Noel, J. V.	(Deceased)	1867
Oliver, John K.	(Deceased)	1868
O'Sullivan, John	(Deceased)	1868
Patteson, Richard	Langford	1885
Patterson, Jas. R.	Port Elgin	1869
Price, Robinson B.	Bath	1871
Purdy, Chas. W.	Chicago	1869
Rourke, Francis	Dublin, Ont.	1867
Spear, Hugh	Toronto	1868
Stark, Alexander	Berwick	1880
Stewart, Alexander J.	Angus	1869
Synington, Thomas	Camlachie	1881
Thibodo, Robert	Winnipeg, Man.	1868
VanAllen, John R.	Kansas City	1870
Vanvlack, Gilbert	(Deceased)	1870
Wilson, Charles J. C.	Montreal	1869
Wafer, Francis W.	(Deceased)	1867
Young, David	Manitoba	1871

PASSMEN IN 1887-8.

The following students of the Royal College passed the University Examinations as under :

PHYSIOLOGY.

T. P. Camelon, Cameron, Chanonhouse, Cunningham, Fowkes, Freeland, Gandier, Gardiner, Gray, Grant, Herald, J. Holdcroft, Lockhart, Miller, Mitchell, Morgan, McKellar, McKenty, McPherson, Phelan, Ryan, Shannon, Stitt, Todd.

JURISPRUDENCE.

Buchanan, A. L. Campbell, Chanonhouse, Clerihew, Cooke, Cram, David, Freeland, Gardiner, Harkness, D. Jamieson, T. J. Jamieson, Livingston, Mabee, W. F. Pratt, Wilton Pratt, Rankin, Smellie, Snider, Stewart, A. D. Walker, S. R. Walker, Wright, O'Neil Chamberlain.

MATERIA MEDICA.

Adams, J. A. Belch, Buchanan, Chanonhouse, Clerihew, Cloutier, David, Dupuis, Cram, Freeland, Gandier, S. H. Gardiner, Grant, Gray, Harkness, Harvie, Hilker, J. Holdcroft, Kilborne, Lanfear, Little, Lockhart, McGrath, McKenty, McKillop, McPherson, Miller, H. F. Mitchell, Northmore, Patterson, Shannon, Snider, Todd, A. Robinson, S. R. Walker, W. H. S. Scott.

HISTOLOGY.

Buchanan, Cram, Clerihew, Channonhouse, Drummond, Freeland, Gandier, Gray, Hilker, Kilborn, Lanfear, Lockhart, Morgan, M. E. McGrath, McKenty, McPherson, H. F. Mitchell, Northmore, Patterson, Sands, Shannon, S. R. Walker, McKillop.

FIRST YEAR CHEMISTRY.

W. T. Holdcroft, Scott, Mackey, Gandier, Belton, M. D. Ryan, Kidd, Stackhouse, Scott, Davis, Empey, Fowkes, Melville, Harrison, J. S. Campbell, Weir, Sinclair, McCallum, Wilson, Morgan, Bermingham, Ogilvie, Smith, Johnson, Raymond, Skinner, McLennan, Brady, Gardiner, Coon, Herald, Reid.

SECOND YEAR CHEMISTRY.

Gandier, Fowkes, Leggatt, Chanonhouse, Smith, Freeland, Cameron, Fraser, Lockhart, Cunningham, McKenty, Pirie, Todd, McKellar, Johnson, J. Holdcroft, McPherson, Gray, Morgan, Mitchell, Earl, Camelon, Coon, Watts, Herald, Taplin, Fleming.

ANATOMY.

Adams, J. A. Belch, Buchanan, Cram, Clerihew, Cloutier, Coon, Chanonhouse, Dupuis, Drummond, Freeland, Gandier, Gardiner, Grant, Gray, Hilker, Harvie, J. Holdcroft, Johnston, Kilborn, Lanfear, Little, McKillop, McGrath, McKenty, McPherson, H. F. Mitchell, Northmore, Patterson, Phelan, Ryan, A. Robinson, Sands, Shannon, Snider, Stewart, S. R. Walker.

[NOTE—The Matriculation Examination in Medicine will be held at Queen's College on the first Tuesday and Wednesday of November.]

